Construction

Sika® Latex

Latex bonding admixture

Description	Sika® Latex is a copolymer latex admixture that is designed to be added to mortars and concretes to improve bond, strength and chemical resistance. It is classified as a non-re-emulsifiable bonding admixture.
Uses	Sika® Latex can be used: • As a bonding agent for concrete toppings, concrete repair mortars and concrete levelling courses. • In bonding slurries. • For general reconstruction work and latex modified overlays. • Where durability is a concern ie. Bridge decks, highways and parking area repairs.
Advantages	• Improves bond strength to hardened concrete. • Reduces cracking through increased mortar flexibility. • Increases wear resistance under high frequency traffic. • Results in high compressive strengths.
Storage and Shelf Life	Stored in the original sealed containers within the temperature range of +5°C to +35°C, this product will keep for at least one (1) year.

Instructions for Use as an Admixture in Concrete

Dosage	Concrete	typical dose rates range between 15 - 40% / 100 kg cementitious material.
	Mortar / Grout	typical dose rates range between 5-25% / 100 kg cementitious material
Mixing	Sika® Latex is added with the initial batching water, and mixed thoroughly for 3 - 5 minutes. Never add to a dry mix.	

Instructions for Use as Bonding Agent

Surface Preparation	Prepare a good clean substrate for bonding by removing all loose material or diengrated concrete. Traces of oils, greases, curing compounds, etc. should be removed by chipping out the affected areas of concrete. Finally sweep or blow off the surface with water and compressed air to remove fine dust, dirt and debris.
Bonding	For bonding toppings using this product, it is recommended a slurry coat be used rather than using this product as a primer by itself. After the surface has been prepared, prime all areas with a slurry coat before the topping is applied. Place the topping on the slurry coat before the slurry coat dries out. Areas to be patched should be pre-wetted to reduce the moisture loss, but free standing water should be removed.
Mixing	Mix dry ingredients with required amount of water before adding Sika® Latex. Keep mortar and concrete mixes as stiff as possible for the intended use. Mix for a minimum of 3 minutes. If mixing Sika® Latex with a pre-packaged product the amount of total water in the mix should be reduced to compensate for the addition of Sika® Latex.
Application	Topping application – for patching, spread with a trowel, or square tipped shovel to a thickness that matches the surrounding concrete. Finish by hand trowelling. On large floor areas, use screed strips as guides in combination with vibratory screeding to level. Compact and finish by hand or machine trowel.

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Technical Data (Typical)

Form	Liquid
Basis	Carboxylated styrene butadiene copolymer latex
Density	1.0 kg/litre approx.
Colour	White
Solids content	48% approx.
Packaging	5 litre pail 20 litre pail

Important Notes

- Trial mixes are always recommended so that mix proportions and workability can be optimised to suit the particular requirements of the application.
- Do not overmix mortars containing Sika® Latex.
- Do not add neat Sika Latex to a mortar mix, always add it to the water prior to mixing.
- Always use well graded, clean, washed sand.
- Do not feather edge the mortar.
- Always keep the W/C ratio to the minimum required to provide correct workability and compaction.

Handling Precautions

- Avoid contact with skin and eyes.
- Wear protective gloves and eye protection during work.
- If skin contact occurs, wash skin thoroughly.
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.
- A full Material Safety Data Sheet is available from Sika on request.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.